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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/526,333	03/01/2005	Byoung-Chul Kim	409-011	8951

7590 03/26/2008  
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New York, NY 10036

EXAMINER
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HOSSAIN, TANIM M

ART UNIT	PAPER NUMBER
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2145

MAIL DATE	DELIVERY MODE
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03/26/2008

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/526,333	<b>Applicant(s)</b> KIM, BYOUNG-CHUL	
	<b>Examiner</b> Tanim Hossain	<b>Art Unit</b> 2145	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 01 March 2005.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-15 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 01 March 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \*    c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)            | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | Paper No(s)/Mail Date. _____                                      |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>3/1/05, 6/9/05</u> .  | 6) <input type="checkbox"/> Other: _____                          |

## **DETAILED ACTION**

### ***Claim Rejections - 35 USC § 112***

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claim 6 recites the limitation "the data server" in line 6. There is insufficient antecedent basis for this limitation in the claim.

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-15 rejected under 35 U.S.C. 103(a) as being unpatentable over Hafsteinsson (U.S. 2004/0172484) in view of Hofmann (U.S. 2001/0009016).

As per claim 6, Hafsteinsson teaches a data conversion and transmission method comprising the steps of: in correspondence to information provided depending on requests of information providing wireless terminal clients for information provision, transmitting an input form requested by a data server to be applied to the information providing wireless terminal clients, and storing the information provided through the input form in the data server

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(paragraphs 0004-0007, 0008-0012); transmitting terminal device information and an information kind of the information accessing wireless terminal clients to the data conversion and transmission server by the wireless servers if the information accessing wireless terminal clients for information access are connected with the wireless servers (0015-0017, 0019, 0023); extracting information coincident with the information kind of the transmitted information from the data server by the data conversion and transmission server (0043-0050); converting the extracted information into a format corresponding to the transmitted terminal device information by the data conversion and transmission server (0008-0012); and transmitting the converted information to a connected terminal device (0058-0063). Though suggested by the existence of a default HTML format, Hafsteinsson does not specifically teach the use of wired clients and wired servers in addition to the wireless clients and servers. Hofmann teaches the use of wired clients and wired servers, such that data requests are converted based on the terminal device (0023, 0060-0066). It would have been obvious to one of ordinary skill in the art at the time of the invention to include the use of wired devices in addition to the use of wireless devices, as taught by Hofmann in the system of Hafsteinsson, and share a conversion and transmission server. The motivation for doing so lies in the fact that the specific existence of wired terminals seeking data would be envisioned, in addition to wireless terminals, since it would enable any type of terminal device to enjoy the benefits of the device-specific data conversion.

Furthermore, it would be eminently obvious to one of ordinary skill in the art to implement the mechanism in a manner in which the conversion and transmission processes take place in a shared server. This concept is common in the art, and is also suggested by Hafsteinsson-Hofmann, in view of the fact that its server converts data specific to all types of wireless terminal

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devices. It would then be obvious to specifically expand this server's conversion ability to wired devices as well, thus enabling the different terminal devices (wireless and wired) to share the servers.

As per claim 7, Hafsteinsson-Hoffman further teaches that the input form comprises URL information of the wire and wireless servers (Hofmann: 0006).

As per claim 8, Hafsteinsson-Hoffman teaches the method of claim 6, but does not specifically teach a region for providing information. It would have been obvious to one of ordinary skill in the art to specifically disclose the use of an URL field, for example, as this concept is well known and obvious.

As per claim 9, Hafsteinsson-Hoffman further teaches that in case the input form corresponding to the information provided from the information providing wire and wireless terminal clients does not exist, information to be inputted by the information providing wire and wireless terminal clients is analyzed such that the input form is created to be stored in the data server and simultaneously to be provided for the information providing wire and wireless terminal clients (Hafsteinsson: 0004-0007, 0008-0012, 0043-0050, 0058-0063; Hofmann: 0006, 0023, 0060-0066).

As per claim 10, Hafsteinsson-Hoffman further teaches that the information provided from the information provided from the information providing wire and wireless terminal clients is classified and stored by a member, and is classified by the information kind or an information accessing region to be stored on the data server (Hafsteinsson: 0004-0007, 0008-0012, 0043-0050, 0058-0063; Hofmann: 0006, 0023, 0060-0066).

As per claim 11, Hafsteinsson-Hoffman further teaches that in case of the wire terminal client, the terminal device information is a management platform, and in case of the wireless terminal client, the terminal device information has a mobile specification and a platform (Hafsteinsson: 0004-0007, 0008-0012, 0043-0050, 0058-0063; Hofmann: 0006, 0023, 0060-0066).

As per claim 12, Hafsteinsson-Hoffman teaches the method of claim 11, but does not specifically teach that the terminal device information on the wireless terminal client further comprises current position information of the wireless terminal client. It would have been obvious to include, in addition to mobile type information, mobile location information, such that the system can transmit further device-specific information. Such a concept is well known in the art and would have been obvious to employ to enhance the efficiency of the invention.

As per claim 13, Hafsteinsson-Hoffman further teaches that the converted format comprises HTML or XML format in case of the wire terminal client, and comprises WML, HDML, WinCE or JAVA format in case of the wireless terminal client (Hafsteinsson: 0004-0007, 0008-0012, 0043-0050, 0058-0063; Hofmann: 0006, 0023, 0060-0066).

As per claim 14, Hafsteinsson-Hoffman further teaches checking whether or not the connected wire and wireless terminal clients are supported on basis of the terminal device information if the terminal device information on the information accessing wire and wireless terminal clients is transmitted to the data conversion and transmission server (Hafsteinsson: 0004-0007, 0008-0012, 0043-0050, 0058-0063; Hofmann: 0006, 0023, 0060-0066).

As per claim 15, Hafsteinsson-Hoffman further teaches that after information is provided through the input form to be stored in the data server, an input list of the provided information is

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displayed, and the provided information is served or not served depending on a selection of the information providing wire and wireless terminal clients (Hafsteinsson: 0004-0007, 0008-0012, 0043-0050, 0058-0063; Hofmann: 0006, 0023, 0060-0066).

Claims 1-5 are rejected under Hafsteinsson-Hoffman on the same bases as claims 6-15, as the instant claims disclose limitations similar to those of the previously rejected claims.

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tanim Hossain whose telephone number is (571)272-3881. The examiner can normally be reached on 8:30 am - 5 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jason Cardone can be reached on 571/272-3933. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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